

Please type a plus sign (+) inside this box →



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/662,942
Filing Date	Sep 15, 2003
First Named Inventor	Das
Group Art Unit	2122 219 L
Examiner Name	
Attorney Docket Number	MS1-1734US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner
Signature

Charl. C. Dan

Date
Considered

4/18/08.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached *Kinds of U.S. Patent Documents*. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → +

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 4 Attorney Docket Number MS1-1734US

Complete if Known

Application Number	10/662,942
Filing Date	Sep 15, 2003
First Named Inventor	Das
Group Art Unit	2122 2192
Examiner Name	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CD		Aiken, et al., "Checking and Inferring Local Non-Aliasing", Proceedings of the ACM SIGPLAN, Conference on Programming Language Design and Implementation, pp. 129-140, 2003.
CD		Bodik, et al., "Path-Sensitive Value-Flow Analysis", Conference Record of the Twenty-Fifth ACM Symposium on Principles of Programming Languages, pp. 237-251, 1998.
CD		Bozga, et al., "Storeless Semantics and Alias Logic", Proceedings of the 2003 ACM SIGPLAN Workshop on Partial Evaluation and Semantics-Based Program Manipulation, pp. 55-65, June 2003.
CD		Bush, et al., "A Static Analyzer for Finding Dynamic Programming Errors", Software- Practice and Experience, Vol. 30, No. 7, pp. 775-802, 2000.
CD		Ball et al., "Automatically Validating Temporal Safety Properties of Interfaces", Proceedings of SPIN '01, 8th Annual SPIN Workshop on Model Checking of Software, May 2001.
CD		Chatterjee, et al., "Relevant Context Interface", Conference Record of the Twenty-Sixth ACM Symposium on Principles of Programming Languages, pp. 133-146, 1999.
CD		Manuvir Das, "Unification-Based Pointer Analysis with Directional Assignments", Proceedings of the ACM SIGPLAN 2000, Conference in Programming Languages Design and Implementation, 2000.
CD		Deline, et al., "Enforcing High-Level Protocols in Low-Level Software", Proceedings of the ACM SIGPLAN 2001 Conference on Programming Language Design and Implementation, 2001.
CD		Das, et al., "Estimating the Impact of Scalable Pointer Analysis on Optimization", 8th International Symposium on Static Analysis, 2001.
CD		Das, et al., "Esp: Path-Sensitive Program Verification in Polynomial Time", Proceedings of the ACM SIGPLAN 2002 Conference on Programming Language Design and Implementation, 2002.
CD		Flanagan, et al., "Extended Static Checking for Java", Proceedings of the ACM SIGPLAN 2002 Conference on Programming Language Design and Implementation, 2002.

Examiner Signature	Chant C. Das	Date Considered	4/6/06
--------------------	--------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → +

+

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

Complete If Known

Application Number	10/662,942
Filing Date	Sep 15, 2003
First Named Inventor	Das
Group Art Unit	2122 2192
Examiner Name	
Attorney Docket Number	MS1-1734US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CD		Foster, et al., "Flow-Sensitive Type Qualifiers", Proceedings of the ACM SIGPLAN 2002 Conference on Programming Language Design and Implementation, 2002.	
CD		Hallem, et al., "A System and Language for Building System-Specific, Static Analysis", Proceedings of the ACM SIGPLAN 2002 Conference on Programming Language Design and Implementation, 2002.	
CD		Michael Hind, "Pointer Analysis: Haven't We Solved This Problem Yet?", Proceedings of the 2001 ACM SIGPLAN-SIGSOFT Workshop on Program Analysis For Software Tools and Engineering (PASTE '01), pp. 54-61, 2001.	
CD		Hind et al., "Evaluating the Effectiveness of Pointer Alias Analyses", Science of Computer Programming, Vol. 39, No. 1, pp. 31-55, January 2001.	
CD		Horwitz, et al., "Interprocedural Slicing Using Dependence Graphs", ACM Trans. Program. Lang. Syst., Vol. 12, No. 1, pp. 26-60, January 1990.	
CD		Heintze, et al., "Ultra-Fast Aliasing Analysis Using CLA" A Million Lines of C Code in a Second", Proceedings of the 2001 ACM SIGPLAN Conference on Programming Language Design and Implementation, pp. 254-263, 2001.	
CD		Jones, et al., "Flow Analysis and Optimization of LISP-Like Structures", Conference Record of the Fourth ACM Symposium on Principles of Programming Languages, pp. 244-256, 1979.	
CD		Khedkar, et al., "A Generalised Theory of Bit Vector Data Flow Analysis", ACM Trans. Program. Lang. Syst., Vol. 16, No. 5, pp. 1472-1511, 1994.	
CD		Knoop, et al., "Efficient and Optimal Bit-Vector Dataflow Analysis: A Uniform Interprocedural Framework", Technical Report Bericht Nr. 9309, Institut Fur Informatik und Praktische Mathematik, Christian-Albrechts-Universitat Kiel, Germany, 1993.	
CD		Liang, et al., "Reuse-Driven Interprocedural Slicing in the Presence of Pointers and Recursion", International Conference on Software Maintenance, 1999.	
CD		Landi, et al., "Interprocedural Modification Side Effect Analysis with Pointer Aliasing", Proceedings of the 1993 ACM SIGPLAN Conference on Programming Language Design and Implementation, pp. 56-67, 1993.	

Examiner Signature	Chambl C. Dan	Date Considered	4/18/06
--------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+



Please type a plus sign (+) Inside this box →

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known

Application Number	10/662,942
Filing Date	Sep 15, 2003
First Named Inventor	Das
Group Art Unit	2122 2492
Examiner Name	
Attorney Docket Number	MS1-1734US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CD		Milanova, et al., "Precise and Efficient Call Graph Construction for C Programs with Function Pointers", Journal of Automated Software Engineering, pages 12, 2004.	
CD		Nelson, et al., "Simplification by Cooperating Decision Procedures", TOPLAS: ACM Transactions on Programming Language and Systems, Vol. 1, No. 2, pp. 245-257, 1979.	
CD		Pande, et al., "Interprocedural Def-Use Asosciations for C Systems with Single Level Pointers", IEEE Transactions on Software Engineering, Vol. 20, No. 5, pp. 385-403, 1994.	
CD		Reps, et al., "Precise Interprocedural Data Flow Analysis via Graph Reachability", Conference Record on the Twenty-Second ACM Symposium on Principles of Programming Languages, 1995.	
CD		Shapiro, et al., "The Effects of the Precision of Pointer Analysis", LNCS 1302, 4th International Symposium on Static Analysis, September 1997.	
CD		Olin Shivers, "Control-Flow Analysis of Higher-Order Languages", PhD Thesis, Carnegie Mellon University , May 1991.	
CD		Sagiv, et al., "Parametric Shape Analysis via 3-Valued Logic", Conference Record of the Twenty-Sixth ACM Symposium on Principles of Programming Languages, 1999.	
CD		Bjarne Steensgaard, "Points-to Analysis in Almost Linear Time", Conference Record of the Twenty-Third ACM Symposium on Principles of Programming Languages, 1996.	
CD		Wilson, et al., "Efficient Context-Sensitive Pointer Analysis for C Programs", Proceedings of the ACM SIGPLAN 95 Conference on Programming Language Design and Implementation, 1995.	

Examiner
Signature

Charmi C. Das

Date
Considered

4/18/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.